



Permit to Construct or Modify an Air Contaminant Source Issued Pursuant to Tennessee Air Quality Act

Date Issued: October 2, 2015

Permit Number:
970414P

Date Expires: October 2, 2017

Issued To:

Continuum Murphy Liquids Terminal, L.L.C.
dba Continuum Murphy Fractionation Plant

Installation Address:

From Hwy 66 and Highway 34
Approximately 4 miles NE on Hwy
66 on the south side

Installation Description:

Natural Gas Liquids
Fractionation Facility

Emission Source Reference No.
37-0188-01

The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations.

CONDITIONS:

1. The application that was utilized in the preparation of this permit is dated June 3, 2015, and is signed by John Zalusky, Senior Vice President of Engineering, Operations, and EHS, for the permitted facility. If this person terminates employment or is reassigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within thirty (30) days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

TAPCR 1200-03-09-.01(1)(d)

(conditions continued on next page)

TECHNICAL SECRETARY

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

NON-TRANSFERABLE

POST AT INSTALLATION ADDRESS

Tennessee Air Pollution Control Regulations
Emission Limitations
Source Specific Conditions

Source ID: Fractionation Facility with Flare

Flare used for safe combustion of any off gases

2. Fugitive Volatile Organic Compounds (VOC) emitted from this source shall not exceed 3.97 lbs/hr or 17.36 TPY. This emission limitation is established pursuant to Rule 1200-03-07-.07(2) of Tennessee Air Pollution Control Regulations.

Fugitive sources (valves, flanges, connectors, and seals) shall be inspected on a regular basis; any identified leaks shall be repaired within 30 days from the date the leak was discovered.

3. The flare shall be installed to ensure that it is operated and maintained in conformance with its design. It shall be continuously monitored for the presence of a flame using the temperature indicators to the system. The flow of fuel gas to the flare shall be determined using a flow meter located in the fuel gas line. The flare shall be in place and operational whenever emissions may vent to it; except during periods of flare malfunction or mechanical failure.

TAPCR 1200-03-07-.07(2) and TAPCR 1200-03-10-.02(1)(a)

Maintenance records from the repair of fugitive sources (records should contain the date the leak was discovered, and the date it was repaired) and the flare shall be recorded in a suitable permanent form and kept available for inspection by the Division. All maintenance activities (including any ongoing maintenance that has not been completed) shall be entered in the maintenance log no later than seven (7) days following the start of the maintenance.

TAPCR 1200-03-10-.02(2)(a)

Source ID: One (1) Gas-fired Hot Oil Heater, Rated at 19 MMBtu/hr

Provides heat to the process units (de-ethanizer, depropanizer, debutanizer)

4. The stated design heat input capacity for this source is 19 MMBtu/hr. The Technical Secretary may require the permittee to prove compliance with this rate. Any increase in this rate will require a construction permit. TAPCR 1200-03-09-.01(1)(d) and the application dated June 3, 2015.
5. Only Natural Gas and Ethane residue shall be used as fuel for this source. TAPCR 1200-03-09-.01(1)(d)
6. Particulate matter (PM) emitted from this source shall not exceed 0.42 lb/MMBtu (7.98 lbs/hr). This emission limitation is established pursuant to Rule 1200-03-06-.02(2)(a) of Tennessee Air Pollution Control Regulations.
7. Sulfur Dioxide (SO₂) emitted from this source shall not exceed 0.019 lbs/hr or 0.083 TPY. This emission limitation is established pursuant to Rule 1200-03-14-.03(5) of Tennessee Air Pollution Control Regulations.
8. Carbon Monoxide (CO) emitted from this source shall not exceed 2.85 lbs/hr or 12.48 TPY. This emission limitation is established pursuant to Rule 1200-03-07-.07(2) of Tennessee Air Pollution Control Regulations.
9. Volatile Organic Compounds (VOC) emitted from this source shall not exceed 0.30 lbs/hr or 1.33 TPY. This emission limitation is established pursuant to Rule 1200-03-07-.07(2) of Tennessee Air Pollution Control Regulations.
10. Nitrogen Oxides (NO_x) emitted from this source shall not exceed 2.28 lbs/hr or 9.99 TPY. This emission limitation is established pursuant to Rule 1200-03-07-.07(2) of Tennessee Air Pollution Control Regulations.

Compliance with the NO_x emission limit is based on installing low NO_x burner technology according to the manufacturer's recommendations. Certification from the manufacturer shall be maintained at the source location and kept available for inspection by the Technical Secretary or representative.

11. Compliance with the PM, SO₂, CO, and VOC emission limits in Conditions 6-9 respectively, is based on compliance with the heat input capacity (*Condition 4*); use of Natural Gas and Ethane residue by the heater (*Condition 5*); manufacture's data outlined in the application dated June 3, 2015, and emission factors outlined in Tables 1.4-1,-2,-3 (*Natural Gas Combustion*) of AP-42.

Tennessee Air Pollution Control Regulations General Requirements

12. Visible emissions from this source shall not exhibit greater than twenty percent (20%) opacity, except for one (1) six-minute period in any one (1) hour period, and for no more than four (4) six-minute periods in any twenty-four (24) hour period. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average). TAPCR 1200-03-05-.01(1) and TAPCR 1200-03-05-.03(6)
13. Visible emissions from roads and parking areas shall not exhibit greater than ten percent (10%) opacity as determined by Tennessee Visible Emission Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982 and as amended on August 24, 1984. TAPCR 1200-03-08-.03
14. Fugitive dust emissions from this facility shall be controlled as specified in Rule 1200-03-08-.01. Specifically, no person shall cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five (5) minutes per hour or twenty (20) minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in Chapter 1200-03-20. Fugitive emissions from this source shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.
15. Recordkeeping: Data Entry Requirements
 - a) For monthly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than thirty (30) days from the end of the month for which the data is required.
 - b) For weekly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven (7) days from the end of the week for which the data is required.
 - c) For daily recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven (7) days from the end of the day for which the data is required.TAPCR 1200-03-10-.02(2)(a)
16. This source shall comply with all applicable state and federal air pollution regulations. This includes, but is not limited to, federal regulations published under 40 CFR 63 for sources of hazardous air pollutants and 40 CFR 60, New Source Performance Standards. TAPCR 1200-03-09-.03(8)
17. This source shall construct in accordance with the terms of this permit and the information submitted in the approved permit application. TAPCR 1200-03-09-.01(1)(d)
18. This permit is valid only at this location. TAPCR 1200-03-09-.03(6)
19. This permit shall serve as a temporary operating permit from initial start-up to the receipt of a standard operating permit, provided the operating permit is applied for within thirty (30) days of initial start-up and the conditions of this permit and any applicable emission standards are met. TAPCR 1200-03-09-.02(3)(b)
20. The permittee shall certify the start-up date of the air contaminant source regulated by this permit by submitting

A COPY OF ALL PAGES OF THIS PERMIT,

with the information required in A) and B) of this condition completed, to the Technical Secretary's representatives listed below:

A) DATE OF START-UP: ____ / ____ / ____
month day year

B) Anticipated operating rate: ____ percent of maximum rated capacity

For the purpose of complying with this condition, "start-up" of the air contaminant source shall be the date of the setting in operation of the source for the dispensing of product for sale.

The undersigned represents that he/she has the full authority to represent and bind the permittee in environmental permitting affairs. The undersigned further represents that the above provided information is true to the best of his/her knowledge and belief.

Signature		Date
Signer's name (type or print)	Title	Phone (with area code)

Note: This certification is not an application for an operating permit. At a minimum, the appropriate application form(s) must be submitted requesting an operating permit. The application must be submitted in accordance with the requirements of this permit.

The completed certification shall be delivered to the East Tennessee Permit Program at the address listed below, no later than thirty (30) days after the air contaminant source is started-up.

East Tennessee Permit Program
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15TH Floor
Nashville, TN 37243

or

Adobe Portable Document Format (PDF)
Copy to: Air.Pollution.Control@tn.gov

TAPCR 1200-03-09-.02(3)(b)

(end of conditions)

The permit application gives the location of this source as 36.29734 Latitude and -83.03595 Longitude.